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### NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

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Houston, TX 77002

One Shell Plaza

910 Louisiana

03/30/2004

**EXAMINER** 

**JEAN PIERRE, PEGUY** 

**ART UNIT** 

PAPER NUMBER

2819

DATE MAILED: 03/30/2004

ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE FIRST NAMED INVENTOR 1251 10/668,000 09/22/2003 068758.0137 Christer Jansson

TITLE OF INVENTION: BUBBLE HANDLING A/D CONVERTER CALIBRATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	06/30/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATEN PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHT THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPO PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM TH MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOV REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (O AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WIL BE REGARDED AS ABANDONED.

#### **HOW TO REPLY TO THIS NOTICE:**

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is n claiming SMALL ENTITY status, check the box below and enclo the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) w your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or Fax

			01 <u>F.</u> 2	<u>ax</u> (705) 740-4000	7.000		
INSTRUCTIONS: This for appropriate. All further con indicated unless corrected maintenance fee notification	respondence including the below or directed otherwise	smitting the ISSU Patent, advance or in Block 1, by (a	JE FEE and PU ders and notific n) specifying a	UBLICATION FEE (if req cation of maintenance fees new correspondence addres	uired). Blocks 1 through 4 s will be mailed to the current s; and/or (b) indicating a separate	hould be completed wh correspondence address arate "FEE ADDRESS"	
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or 7590 03/30/2004  Bruce W. Slayden II  Baker Botts L.L.P.  One Shell Plaza 910 Louisiana			ruse Block 1)	Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing, have its own certificate of mailing or transmission.			
					Certificate of Mailing or Transmission  I hereby certify that this Fee(s) Transmittal is being deposited with the Un States Postal Service with sufficient postage for first class mail in an envel addressed to the Mail Stop ISSUE FEE address above, or being facsim transmitted to the USPTO, on the date indicated below.		
Houston, TX 7700	2					(Depositor's na	
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APPLICATION NO.	FILING DATE		FIRST NAMED	INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/668,000	09/22/2003		Christer Ja	ansson	068758.0137	1251	
	UBBLE HANDLING A/D (						
APPLN. TYPE	SMALL ENTITY	ISSUE F	EE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1330	0	\$300	\$1630	06/30/2004	
EXAM	IINER	ART UN	IIT	CLASS-SUBCLASS			
JEAN PIER	RE, PEGUY	2819 341-120000		341-120000	_		
<ol> <li>Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</li> <li>Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</li> <li>"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.</li> </ol>			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
PLEASE NOTE: Unless been previously submitte (A) NAME OF ASSIGN	ed to the USPTO or is being	low, no assignee d submitted under se (B	lata will appear parate cover. Co B) RESIDENCE	on the patent. Inclusion of ompletion of this form is NC: (CITY and STATE OR CO	assignee data is only appropri OT a substitute for filing an ass OUNTRY)  corporation or other private grounds	ignment.	
4a. The following fee(s) are		`	p. Payment of Fo		corporation or other private g	roup entity  governm	
☐ Issue Fee		70	•	the amount of the fee(s) is e	nclosed.		
☐ Publication Fee				credit card. Form PTO-203			
☐ Advance Order - # of	Copies		The Director Deposit Accounts	or is hereby authorized by out Number	charge the required fee(s), or (enclose an extra c	credit any overpayment	
Director for Patents is reque	sted to apply the Issue Fee a	nd Publication Fee	•		issue fee to the application ide	11	
(Authorized Signature)		(Date)					
NOTE; The Issue Fee and other than the applicant; interest as shown by the re	d Publication Fee (if requir a registered attorney or ag cords of the United States Pa	ed) will not be ac ent; or the assigne atent and Trademar	ecepted from an ee or other par rk Office.	nyone rty in			
This collection of informa	tion is required by 37 CFR	1.311. The inform	nation is requir	red to			

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/668,000	09/22/2003	Christer Jansson	068758.0137	1251	
75	590 03/30/2004		EXAM	NER	
Bruce W. Slayder			JEAN PIERRE, PEGUY		
Baker Botts L.L.P. One Shell Plaza			ART UNIT	PAPER NUMBER	
910 Louisiana	_		2819		
Houston, TX 77002	2		DATE MAILED: 03/30/2004	1	

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after t mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a ha months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date th determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retriev (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)	•		
	10/668,000	JANSSON, CHRIS	JANSSON, CHRISTER		
Notice of Allowability	Examiner	Art Unit			
	Peguy JeanPierre	2819			
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communication is subsection in the communication in the communication is subsection.	nis application. If not includication will be mailed in due	ded e course. <b>THIS</b>		
1. This communication is responsive to application filed on 9/2	<u>22/2003</u> .				
2. The allowed claim(s) is/are <u>1-15</u> .					
3. The drawings filed on are accepted by the Examiner					
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a)  All b)  Some* c) None of the:</li> <li>1.  Certified copies of the priority documents have been received.</li> <li>2.  Certified copies of the priority documents have been received in Application No</li> <li>3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ul>					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the re	equirements		
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF		
<ul> <li>6.  ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted. <ul> <li>(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached</li> <li>1) ☐ hereto or 2) ☐ to Paper No./Mail Date 3/17/04.</li> <li>(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).</li> </ul> </li> <li>7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.</li> </ul>					
<ul> <li>Attachment(s)</li> <li>1.  Notice of References Cited (PTO-892)</li> <li>2.  Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3.  Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 3/17/04</li> <li>4.  Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ul>	6. ☐ Interview Sum Paper No./Ma 8), 7. ☑ Examiner's Ar 8. ☑ Examiner's St	mal Patent Application (PT nmary (PTO-413), ail Date mendment/Comment atement of Reasons for All digital amended drawing.	,		

Application/Control Number: 10/668,000

Art Unit: 2819

#### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Andreas H. Grubert on 3/17/2004.

The application has been amended as follows:

### In the claims:

Claim 1, line 4, change "the" (first occurrence) to -a--; line 6 change "the" first occurrence) to -a--;

Claim 4, line 2, change "the" to -a--; line 4, change "the" to -a--;

Claim 8, line 4, change "the" (first occurrence) to -a--; line 6, change "the" (first occurrence) to -a--;

Claim 9, line 2, change "the" to -a--; line 4, change "the" to -a--; line 7, change "the" (first and second occurrences) to -a--;

Claim 11, line 5, change "the" (first occurrence) to -a--; line 7, change "the" (first occurrence) to -a--;

Claim 12, line 3, change "the" to -a--; line 5, change "the" to -a--; line 8, change "the" (first and second occurrences) to -a--;

Claim 14, line 4, change "the" (first occurrence) to -a--; line 6, change "the" (first occurrence) to -a--.

Application/Control Number: 10/668,000

Art Unit: 2819

**Drawings** 

Page 3

The following changes to the drawings have been approved by the examiner. 2.

The label "Figure 6" has been placed inside the drawing Figure. "Figure 6" has been

removed and placed outside the drawing Figure. In order to avoid abandonment of the

application, applicant must make these above agreed upon drawing changes. (See

amended drawing attached).

The following is an examiner's statement of reasons for allowance: The prior art 3.

of record does not teach a flash analog to digital converter in which thermometer code

bubbles are corrected by detecting two A/D converter comparators having bubbles and

increasing a threshold voltage of the comparator that has the lowest threshold by a first

predetermined voltage and decreasing a threshold voltage of the comparator that has

the highest threshold to a second predetermined voltage.

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the 4.

examiner should be directed to Peguy JeanPierre whose telephone number is (571)

272-1803. The examiner fax phone number is (571) 273-1803.

**Primary Examiner** 

